

Geng Yang

List of Publications by Year in descending order

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54
papers

2,100
citations

331670

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265206

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all docs

55
docs citations

55
times ranked

2361
citing authors

#	ARTICLE	IF	CITATIONS
1	Full Parameter Estimation for Permanent Magnet Synchronous Motors. IEEE Transactions on Industrial Electronics, 2022, 69, 4376-4386.	7.9	41
2	Emerging wearable flexible sensors for sweat analysis. Bio-Design and Manufacturing, 2022, 5, 64-84.	7.7	29
3	GuLiM: A Hybrid Motion Mapping Technique for Teleoperation of Medical Assistive Robot in Combating the COVID-19 Pandemic. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 106-117.	3.2	16
4	Human Digital Twin (HDT) Driven Human-Cyber-Physical Systems: Key Technologies and Applications. Chinese Journal of Mechanical Engineering (English Edition), 2022, 35, .	3.7	40
5	Soft Robot Skin With Conformal Adaptability for On-Body Tactile Perception of Collaborative Robots. IEEE Robotics and Automation Letters, 2022, 7, 5127-5134.	5.1	20
6	Bioinspired Co-Design of Tactile Sensor and Deep Learning Algorithm for Human-Robot Interaction. Advanced Intelligent Systems, 2022, 4, .	6.1	14
7	Bioinspired Co-Design of Tactile Sensor and Deep Learning Algorithm for Human-Robot Interaction. Advanced Intelligent Systems, 2022, 4, .	6.1	9
8	CoboSkin: Soft Robot Skin With Variable Stiffness for Safer Human-Robot Collaboration. IEEE Transactions on Industrial Electronics, 2021, 68, 3303-3314.	7.9	58
9	Fluid-Driven Soft CoboSkin for Safer Human-Robot Collaboration: Fabrication and Adaptation. Advanced Intelligent Systems, 2021, 3, 2000038.	6.1	10
10	An Improved Hybrid Field Model for Calculating On-Load Performance of Interior Permanent-Magnet Motors. IEEE Transactions on Industrial Electronics, 2021, 68, 9207-9217.	7.9	19
11	The effect of multiple interventions to balance healthcare demand for controlling COVID-19 outbreaks: a modelling study. Scientific Reports, 2021, 11, 3110.	3.3	11
12	Review of Robot Skin: A Potential Enabler for Safe Collaboration, Immersive Teleoperation, and Affective Interaction of Future Collaborative Robots. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 681-700.	3.2	29
13	A Fully Printed Flexible Sensor Sheet for Simultaneous Proximity-Pressure-Temperature Detection. Advanced Materials Technologies, 2021, 6, 2100616.	5.8	26
14	User-Interactive Robot Skin With Large-Area Scalability for Safer and Natural Human-Robot Collaboration in Future Telehealthcare. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4276-4288.	6.3	12
15	IoT-Enabled Robot Skin System for Enhancement of Safe Human-Robot Interaction. Lecture Notes in Computer Science, 2021, , 457-468.	1.3	0
16	A Fully Printed Flexible Sensor Sheet for Simultaneous Proximity-Pressure-Temperature Detection (Adv. Mater. Technol. 11/2021). Advanced Materials Technologies, 2021, 6, 2170065.	5.8	0
17	A voted based random forests algorithm for smart grid distribution network faults prediction. Enterprise Information Systems, 2020, 14, 496-514.	4.7	13
18	DUAPM: An Effective Dynamic Micro-Blogging User Activity Prediction Model Towards Cyber-Physical-Social Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 5317-5326.	11.3	9

#	ARTICLE	IF	CITATIONS
19	IoT-Enabled Dual-Arm Motion Capture and Mapping for Telerobotics in Home Care. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1541-1549.	6.3	33
20	Feasibility study of mitigation and suppression strategies for controlling COVID-19 outbreaks in London and Wuhan. PLoS ONE, 2020, 15, e0236857.	2.5	32
21	Keep Healthcare Workers Safe: Application of Teleoperated Robot in Isolation Ward for COVID-19 Prevention and Control. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	3.7	71
22	Design and Implementation of Robot Skin Using Highly Sensitive Sponge Sensor. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 670-680.	3.2	9
23	Guest Editorial Enabling Technologies in Health Engineering and Informatics for the New Revolution of Healthcare 4.0. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2442-2443.	6.3	2
24	Packet Management for Optimizing Control Performance in Real-Time Feedback Control Systems. , 2020, , .		1
25	A Gait Recognition System for Interaction with a Homecare Mobile Robot. , 2020, , .		1
26	Homecare Robotic Systems for Healthcare 4.0: Visions and Enabling Technologies. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2535-2549.	6.3	94
27	Teleoperation of Collaborative Robot for Remote Dementia Care in Home Environments. IEEE Journal of Translational Engineering in Health and Medicine, 2020, 8, 1-10.	3.7	35
28	A Sensor Glove Based on Inertial Measurement Unit for Robot Teleoperation. , 2020, , .		3
29	Title is missing!. , 2020, 15, e0236857.		0
30	Title is missing!. , 2020, 15, e0236857.		0
31	Title is missing!. , 2020, 15, e0236857.		0
32	Title is missing!. , 2020, 15, e0236857.		0
33	A Sensor Glove for the Interaction with a Nursing-Care Assistive Robot. , 2019, , .		6
34	Anti-windup scheme of the electronic load sensing pump via switched flow/power control. Mechatronics, 2019, 61, 1-11.	3.3	4
35	Deadzone compensation control based on detection of micro flow rate in pilot stage of proportional directional valve. ISA Transactions, 2019, 94, 234-245.	5.7	16
36	Facile Fabrication of Highly Soft Tactile Sensor Based on Porous Sponge with Geometry Effect on Sensing Characteristics. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
37	Flexible Insole Sensors with Stably Connected Electrodes for Gait Phase Detection. <i>Sensors</i> , 2019, 19, 5197.	3.8	21
38	Non-Invasive Flexible and Stretchable Wearable Sensors With Nano-Based Enhancement for Chronic Disease Care. <i>IEEE Reviews in Biomedical Engineering</i> , 2019, 12, 34-71.	18.0	52
39	cGAN Based Facial Expression Recognition for Human-Robot Interaction. <i>IEEE Access</i> , 2019, 7, 9848-9859.	4.2	67
40	WristCam: A Wearable Sensor for Hand Trajectory Gesture Recognition and Intelligent Human-Robot Interaction. <i>IEEE Sensors Journal</i> , 2019, 19, 8441-8451.	4.7	51
41	An IoT-Enabled Telerobotic-Assisted Healthcare System Based on Inertial Motion Capture. , 2019, , .		4
42	IoT-Based Remote Pain Monitoring System: From Device to Cloud Platform. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 1711-1719.	6.3	125
43	Tongue-Computer Interface Prototype Design Based on T-Type Magnet Localization for Smart Environment Control. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2498.	2.5	5
44	A Novel Gesture Recognition System for Intelligent Interaction with a Nursing-Care Assistant Robot. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2349.	2.5	20
45	Development of Flexible Robot Skin for Safe and Natural Human-Robot Collaboration. <i>Micromachines</i> , 2018, 9, 576.	2.9	57
46	Finger Angle-Based Hand Gesture Recognition for Smart Infrastructure Using Wearable Wrist-Worn Camera. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 369.	2.5	27
47	An IoT-Enabled Stroke Rehabilitation System Based on Smart Wearable Armband and Machine Learning. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018, 6, 1-10.	3.7	100
48	Introduction to the Special Section: Convergence of Automation Technology, Biomedical Engineering, and Health Informatics Toward the Healthcare 4.0. <i>IEEE Reviews in Biomedical Engineering</i> , 2018, 11, 249-259.	18.0	95
49	Motor Ingredients Derived from a Wearable Sensor-Based Virtual Reality System for Frozen Shoulder Rehabilitation. <i>BioMed Research International</i> , 2016, 2016, 1-10.	1.9	20
50	RF Interconnections for Paper Electronics. <i>IEEE Microwave and Wireless Components Letters</i> , 2015, 25, 684-686.	3.2	7
51	A Health-IoT Platform Based on the Integration of Intelligent Packaging, Unobtrusive Bio-Sensor, and Intelligent Medicine Box. <i>IEEE Transactions on Industrial Informatics</i> , 2014, 10, 2180-2191.	11.3	548
52	Wearable Internet of Things: Concept, Architectural Components and Promises for Person-Centered Healthcare. , 2014, , .		157
53	A Hybrid Low Power Biopatch for Body Surface Potential Measurement. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2013, 17, 591-599.	6.3	17
54	Bio-Patch Design and Implementation Based on a Low-Power System-on-Chip and Paper-Based Inkjet Printing Technology. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012, 16, 1043-1050.	3.2	58